| Index of Claims  | Application No. | Applicant(s)    |  |  |  |  |  |
|--|-----------------|-----------------|--|--|--|--|--|
| <b>34</b> 111 <b>28</b> 118 18111 18811 18811 1888 11111 81814 8811 1888 | 09/777,340      | KAWASAKI ET AL. |  |  |  |  |  |
|  | Examiner        | Art Unit        |  |  |  |  |  |
| #### ####  | Hanh Nguyen     | 2662            |  |  |  |  |  |

| 1 | Rejected |   | (Through numeral)<br>Cancelled | N |
|---|----------|---|--------------------------------|---|
| - | Allowed  | ÷ | Restricted                     | ı |

| N | Non-Elected  |   | Δ | Appeal   |
|---|--------------|---|---|----------|
| I | Interference | C | 0 | Objected |

| Claim |                | Date          |              |          |              |           |          | С        | laim         |          |          | Date     |          |          |          |              |              |          | CI       | Date      |          |              |            |   |           |          |         |        |  |                |          |
|-------|----------------|---------------|--------------|----------|--------------|-----------|----------|----------|--------------|----------|----------|----------|----------|----------|----------|--------------|--------------|----------|----------|-----------|----------|--------------|------------|---|-----------|----------|---------|--------|--|----------------|----------|
| Final |                | 000           | ,            |          |              |           |          |          |              |          | Final    | Original | 5        |          |          |              |              |          |          |           |          | Final        | Original   |   |           |          |         |        |  |                |          |
| 1     | 1              |               |              |          |              |           |          |          |              |          |          | 5        | 1        | T        | 1        |              |              |          |          |           | $\neg$   | <u> </u>     | 101        |   | $\pm$     | +        | +       | $\top$ | +                                      | ╁              | t        |
|       | 2              | 2             |              |          |              |           |          |          |              |          |          | 5        |          | 1        |          | Г            |              |          |          |           |          |              | 102        |   | 1         |          | $\top$  | ╁      | +                                      | $\top$         | 十        |
|       | 3              | $\Box$        | ]            |          |              |           |          |          | _            |          |          | 5        |          |          |          |              | Π            |          |          |           |          |              | 103        |   |           | 1        | $\top$  | T      | 1                                      | $\top$         | T        |
|       | 4              | $\square$     | _            | _        | _            |           |          |          | L            |          | <u> </u> | 54       | 1        |          |          |              |              |          |          |           |          |              | 104        | $\Box$  |           |          | T       | 1      | 1                                      | $\top$         | T        |
|       | 5              | Ц             | _            | _        | _            |           |          | <u>L</u> |              | Ш        |          | 5        |          | $\perp$  | 1_       |              | <u> </u>     |          |          |           |          |              | 105        |   |           |          |         |        |  | T              | T        |
|       | 6              | $\sqcup$      | _            | _        | _            |           |          | ļ.,      |              | Ш        |          | 56       | 1        | _        | <u> </u> | ļ            | L            |          |          | Ш         |          |              | 106        |   |           |          |         |        | $\perp$                                | $\coprod$      | Ι        |
|       | 7              | $\vdash$      | _            |          |              | _         |          | <u> </u> |              | Щ        | _        | 5        |          | _        | _        | <u> </u>     | <u> </u>     | _        |          |           |          | <u></u>      | 107        |   | $\perp$   | ┸        | $\perp$ | 1      | 丄                                      |                |          |
| 8     |                | +             |              | $\dashv$ | _            | _         |          | -        |              |          | -        | 58       |          | +        |          | <del> </del> | <u> </u>     | Ш        |          | Ш         | _        | <u> </u>     | 108        |   | - -       | 4        | 4       | 4      |  | ┷              | Ļ        |
| 1     |                | H             | -            | -        | $\dashv$     | _         |          |          | _            |          | _        | 59       |          |          | -        | ├-           | <u> </u>     | Н        |          |           | _        | <b> </b>     | 109        | $\dashv$  | _ _       | $\bot$   | _       | $\bot$ | ــــــــــــــــــــــــــــــــــــــ | ╀              | Ļ        |
| 1     |                | $\mathcal{H}$ | -            |          |              | $\dashv$  | $\dashv$ |          |              | _        |          | 60       |          | +-       | +        | ┝            | <del> </del> | Н        |          |           | $\dashv$ |              | 110        | $\dashv$  | -         | - -      | +       |        | 4                                      | ₽              | ╀        |
| 1     |                | 1             |              | $\dashv$ | $\dashv$     | -         |          |          |              |          |          | 62       |          | +        | ┢        |              | <u> </u>     | $\vdash$ |          | H         |          | -            | 111        |   |           | +        |         | +      | ┼                                      | ┼              | ╀        |
| 1     |                | <del>)</del>  | -            | $\dashv$ | 7            | -1        |          |          |              | -        | -        | 63       |          | +-       | ╁        | ┢╌           | ⊢            |          | -        | $\vdash$  |          | <u> </u>     | 112<br>113 | -+  | -         | +        | +       | +      | +-                                     | ┼              | ╀        |
| 1.    |                |               |              | $\dashv$ | 十            |           |          | -        |              | $\dashv$ | -        | 64       |          | +        | ┼        | $\vdash$     | ├-           |          | -        |           |          | -            | 114        |   | +         |          | -       | -      | +-                                     | ┾              | ╀        |
| 1     |                | 17            | _ †          |          | $\dashv$     | $\dashv$  |          |          |              | -        |          | 65       |          | +        | $\vdash$ | -            | ⊢            |          | -        |           |          | <del> </del> | 115        |   | +         |          | +       | ╬      | +-                                     | ╀              | ╁        |
| 1     | 6              | V.            |              |          |              |           |          |          |              | $\neg$   |          | 66       |          | +        | $\vdash$ | ╁            | <del> </del> | $\vdash$ |          | -         | $\dashv$ |              | 116        |   | +         | +        | +       | +      | +                                      | +              | ╁        |
| 1     | 7              | Ň             | $\dashv$     | $\neg$   | 7            |           |          |          | H            | $\dashv$ |          | 67       |          | +        | ┼-       | $\vdash$     | -            |          |          |           | $\dashv$ |              | 117        | +   | ╁         | ╁        | +       | +-     | +                                      | +-             | ╁        |
| 11    |                |               | 一            | 1        | ヿ            | $\neg$    |          |          |              | $\neg$   |          | 68       |          | 1        | T        | <del> </del> |              |          |          | $\exists$ | $\dashv$ | <u> </u>     | 118        | -   | +         | +-       | +       | ╁      | +-                                     | ╁              | ╁        |
| 19    |                | $\neg$        | $\exists$    | 7        | $\neg$       | $\exists$ |          |          |              |          |          | 69       |          | $\top$   |          |              |              |          |          | Τt        | $\neg$   | -            | 119        | -+-   | +         |          | +       | +      | +                                      | +              | ╁╴       |
| 2     |                | $\Box$        |              |          |              |           |          |          |              | $\neg$   |          | 70       |          | $\top$   |          |              |              |          |          | П         | $\neg$   |              | 120        |   | +         | +-       | +       | +-     | +                                      | 十              | ╁╴       |
| 2     |                |               |              |          |              |           |          |          |              |          |          | 71       |          |          |          |              |              |          |          |           |          | -            | 121        | $\neg$  | _         | $\top$   | ╁       | +      | +                                      | +              | t        |
| 2:    |                | $\perp$       |              |          |              | [         |          |          |              |          |          | 72       |          |          |          |              |              |          |          |           |          |              | 122        |   |           | 十        | ╁       | ╁      | $\top$                                 |                | t        |
| 2:    |                | _             |              | $\perp$  |              |           |          |          |              |          |          | 73       |          |          |          |              |              |          |          |           |          |              | 123        | Ì   |           | 十        | 十       | 1      | $\top$                                 | † <del>-</del> | T        |
| 24    |                | _             | 4            | _        |              |           | _        |          | _            |          |          | 74       |          |          | L        |              |              |          |          |           |          |              | 124        |   |           | _        | $\top$  | T      | 1                                      | T              | T        |
| 2:    |                | -             | 4            | _        | 4            | _         |          |          | _            |          | <u></u>  | 75       |          | <u> </u> |          | L            |              |          |          |           |          |              | 125        |   |           |          |         |        |  |                | Γ        |
| 20    |                | _             | -            | 4        | -            | _         | _        | _        | _            |          |          | 76       | 1        |          | <u> </u> | L            |              |          |          |           |          |              | 126        |   |           |          |         | $\bot$ | $oxed{\Box}$                           |                | Γ        |
| 2     |                | -             | 4            |          | 4            | _         |          | _        | _            |          | <u> </u> | 77       |          | _        | L        | _            |              |          | _        |           |          | L            | 127        |   | _         |          |         |        | L                                      |                | Г        |
| 25    | <u>×</u>       | -             | -            | _        | -+           | $\dashv$  | _        |          | -            |          |          | 78       | 1        | 1_       | $\vdash$ | _            |              |          |          | _         | _        | <u></u>      | 128        |   | $\perp$   | 1_       | $\perp$ | _      |  |                |          |
| 30    |                | -             | +            | $\dashv$ | -+           | -         | -        |          | $\dashv$     |          | <u> </u> | 79       |          | ╁—       | L        |              |              |          |          | _         |          |              | 129        | _   | $\bot$    | 1        | $\perp$ |        |  | $\perp$        | L        |
| 3     |                | $\dashv$      | +            | +        |              | -         | $\dashv$ |          |              | _        | -        | 80       |          |          | _        | _            |              |          |          | 4         | _        | <u> </u>     | 130        | _ _   | _         |          | 4       | 丄      | 1_                                     | _              | L        |
| 32    | ╁              | +             | +            |          | $\dashv$     | $\dashv$  |          | $\dashv$ |              |          | <u> </u> | 81       |          | +        | ├-       | -            |              |          | $\dashv$ | +         |          |              | 131        | $\perp$   | +         | ↓_       | $\bot$  | -      | ╄                                      | ــ             | L        |
| 33    |                | $\dashv$      | $\dashv$     | +        | -+           | -         | -        |          | <del> </del> |          | -        | 83       |          | -        | ⊢        |              | -            |          | $\dashv$ | +         |          |              | 132        | _   | +         | +        | +       | ╁      | —                                      | ــــ           | ₽        |
| 34    |                | 7             | +            | +        | $\dashv$     | +         | $\dashv$ | -        | -            | $\dashv$ | ٠ ⊨      | 84       |          | +        | -        |              |              | $\dashv$ |          | +         |          | -            | 133<br>134 |   | +         | ╬        | +       | +      | _                                      | _              | ╄        |
| 35    | <del>.</del> + | +             | $\dashv$     |          | 7            |           | -        |          | ┪            | $\dashv$ |          | 85       | +        | +        | -        | -            | -            | -+       |          | -         | _        |              | 135        | +   | +         | ╁        | +-      | 4_     | +-                                     | <del>-</del>   | ⊢        |
| 36    |                | $\top$        | $\top$       | $\dashv$ | 7            | $\dashv$  | _        |          | $\exists$    |          |          | 86       |          | +-       | -        |              | =            | -        | $\dashv$ | _         | $\dashv$ |              | 136        | _   | +         | +        | +       | ╁      | +-                                     | ┼-             | ⊦        |
| 37    |                | T             | 7            | $\dashv$ | $\top$       | 7         | $\neg$   |          | _            | $\neg$   |          | 87       |          | +        |          |              |              | -        | -        | $\dashv$  | $\dashv$ |              | 137        |   | +         | +-       | +       | +-     | +                                      | ├              | ⊢        |
| 38    |                | 1             | ヿ            | 7        | 1            | $\neg$    |          | $\neg$   | 寸            |          |          | 88       |          | $\vdash$ |          |              |              | _        | $\dashv$ | 十         | $\dashv$ |              | 138        | $\dashv$  | +         | +        | +-      | ╁      | ╁                                      | ╁╌             | ┝        |
| 39    | 9              |               |              |          |              |           | $\neg$   |          | $\neg$       | _        |          | 89       |          | $\top$   |          |              |              | _        |          | $\dashv$  | _        |              | 139        | - -   | $\dagger$ | +-       | +-      | ╁╴     | +                                      | ├-             | ┢        |
| 40    |                | $\perp$       | $\Box$       |          |              |           |          |          |              | $\Box$   |          | 90       |          | 1        |          |              | コ            | ヿ        | 7        | T         | $\neg$   |              | 140        | - -   | +         | +-       | †       | ╁╴     | $\vdash$                               | ┢┈             | -        |
| 41    |                |               |              | $\perp$  |              |           |          |          |              |          |          | 91       |          |          |          |              |              |          | 一        |           |          |              | 141        |   | 1         | 十        | 1       | $\top$ | 1                                      | Т              | $\vdash$ |
| 42    | 2              | _L            | 4            | _        | _[           | [         | [        | _[       |              |          |          | 92       |          |          |          |              |              |          |          |           |          |              | 142        |   |           | T        | 1-      | T      |  | П              | Г        |
| 43    |                | 4             | $\downarrow$ | _ _      | $\downarrow$ | _         |          |          | _[           |          |          | 93       | $\perp$  |          |          |              |              |          |          |           | $\Box$   |              | 143        |   |           | I        | $I^-$   |        | $\Box$                                 | П              | Г        |
| 44    |                | $\bot$        | 4            |          | _            | $\perp$   | _        | _        | 4            |          |          | 94       |          | <u> </u> | Ш        | ]            | [            | [        | $\Box$   |           | _        |              | 144        | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | I         | $\Gamma$ | Ī       |        | П                                      |                |          |
| 45    |                |               | $\perp$      | 4        | 4            | $\perp$   | _        | _        | _            | _        |          | 95       | ↓_       | _        | $\sqcup$ |              |              |          | $\perp$  |           | _        |              | 145        | $oldsymbol{ol}}}}}}}}}}}}}}$  |           |          |         | Г      |  |                |          |
| 46    |                | +             | +            | +        | +            |           | -        | $\dashv$ | _            | _        |          | 96       |          | _        | $\sqcup$ | _            | _            | _        | _ _      | $\perp$   | _        | $\square$    | 146        |   | $\bot$    |          |         |        |  |                |          |
| 47    | -              | +             | +            | - -      | +            |           | -        | $\dashv$ | -            | $\dashv$ | <u> </u> | 97       |          | $\vdash$ |          |              | $\dashv$     | _ .      | $\dashv$ | -4        | _        | $\vdash$     | 147        | $\perp$   | 1         | L        |         | 1_     | $\square$                              |                |          |
| 48    |                | - -           | +            | +        | +            | +         | $\dashv$ |          | $\dashv$     | $\dashv$ | -        | 98       | +-       | -        |          |              |              | 4        | -+       | _         |          |              | 148        |   | - -       | ╄.       | _       | 1      | $\sqcup$                               | Ш              | L        |
| 50    | -              | +             | +            | -        | +            | -         | -+       | +        | $\dashv$     |          | -        | 99       | +-       | $\vdash$ |          |              | -            |          | $\dashv$ | -         | _        | $\vdash$     | 149        | -   | _         | _        | ↓_      | 4_     | $\sqcup$                               | Щ              | _        |
| 1 30  | ,              |               |              | ᆜ.       |              |           |          |          | $\perp$      |          |          | 100      | <u>'</u> | 1        |          |              |              |          | - 1      |           |          | 1 1          | 150        | i   |           | 1        | 1       | 1      | 1 1                                    | 1 1            | l        |